

## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A multi-stage baking apparatus for a plasma display ~~comprising~~  
comprising:

a baking furnace for performing heat treatment to substrates while conveying the  
~~substrates, wherein~~substrates;

plural stages of conveying means for conveying the ~~substrates are provided, and~~  
substrates, wherein the conveying means adjacent in an up and down direction are divided with  
heat insulating ~~walls~~ partitions provided between them so as to ~~constitute have a~~ multi-stage heat  
treatment rooms ~~structure~~ in the baking furnace, and each of the multi-stage heat treatment  
rooms comprises ~~and heating means are provided appropriately to the heat insulating partitions~~  
~~within the baking furnace, and a heating area, a keeping area and a cooling area are provided in~~  
order in a traveling direction of the conveying means; ~~means within each furnace of each of the~~  
multiple stages

heating means on any one of a top face and a bottom face of the cooling area; and

cooling means on the other one of the top face and the bottom face of the cooling area.

2. (Currently Amended) The multi-stage baking apparatus for a plasma display panel as claimed  
in claim 1, wherein the heating means in the baking furnace ~~may be so~~ is configured as to be able  
to control a heating amount separately, ~~or configured as to control a heating amount of each~~  
~~temperature zone provided in a conveying direction of the substrates.~~

3. (Previously Presented) The multi-stage baking apparatus for a plasma display panel as  
claimed in claim 1, wherein the heating means is an electric heater.

4. (Currently Amended) The multi-stage baking apparatus for a plasma display panel as claimed  
in claim 1, ~~wherein~~ further comprising a return conveyer ~~is provided~~ under the conveying means  
in multiple stages for conveying the substrates.

5. (New) The multi-stage baking apparatus for a plasma display panel as claimed in claim 1, wherein the heating area is provided with heating means on both a top face and a bottom face thereof.

6. (New) The multi-stage baking apparatus for a plasma display panel as claimed in claim 1, wherein the keeping area is provided with heating means on any one of a top face and a bottom face thereof.